

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Previously Presented) A vascular closure assembly, comprising:
an anchor;
a collagen;
a suture coupled to the anchor and extending through the collagen;
a suture locking mechanism comprising a housing and at least first and second locking posts extending cantilevered from the housing;
the suture locking mechanism being rotatable between a non-locked position and a locked position;
wherein the suture is capable of movement when the suture locking mechanism is in the non-locked position and the suture at least partially wraps around the first and second locking posts and is relatively incapable of movement when the suture locking mechanism is in the locked position.

2-5. (Canceled)

6. (Previously Presented) The assembly according to claim 1, wherein the housing includes a wedge-shaped portion.

7. (Previously Presented) The assembly according to claim 6, wherein the wedge shaped portion includes an acute angled portion.

8. (Previously Presented) The assembly according to claim 6, wherein the wedge shaped portion includes an obtuse angled portion.

9. (Previously Presented) The assembly according to claim 1, wherein the rotating movement is caused by expansion of the collagen.

10-20. (Canceled)

21. (Previously Presented) A vascular closure device, comprising:
- an anchor;
 - a collagen;
 - a locking device; and
 - a suture coupled to the anchor and extending through the collagen and the locking device, wherein the locking device comprises:
 - a housing; and
 - at least two cantilevered locking posts extending from the housing;
- wherein the locking device being rotatable between a first orientation and a second orientation, the first orientation providing the suture with a relatively non-tortuous path defined for the suture through the locking device, and
- the second orientation providing the suture with a relatively tortuous path defined at least in part between the at least two locking posts.
22. (Canceled)
23. (Previously Presented) The closure device according to claim 21, wherein the locking device includes an obtuse angled portion.
24. (Previously Presented) The closure device according to claim 21, wherein the locking device includes at least one of a textured surface, a ribbed surface, a grooved surface, a notched surface, and a channeled surface to increase the frictional resistance.

25-32. (Canceled)

33. (Previously Presented) A vascular closure device, comprising:

an anchor;

a collagen;

a suture; and

a suture locking assembly, the suture locking assembly including a housing and at least two cantilevered locking posts extending from the housing;

wherein the suture is coupled to the anchor and extends through the collagen and the suture locking assembly in a space defined at least in part between the at least two locking posts, the suture locking assembly being rotatable between unlocked and locked positions.

34. (Previously Presented) The vascular closure device according to claim 33 wherein in the unlocked position a pathway for the suture is relatively non-tortuous and in the locked position the pathway for the suture is relatively tortuous.

35-37. (Canceled)

38. (Previously Presented) A vascular closure assembly, comprising:

an anchor;

a collagen;

a suture coupled to the anchor and extending through the collagen;

a locking element comprising a housing and at least first and second cantilevered locking posts extending from the housing;

the locking element being rotatable between a first orientation and a second orientation;

in the first orientation, the locking element provides a non-tortuous pathway for the suture that is defined at least in part between the first and second locking posts such that the suture can move relative to the housing; and

in the second orientation, the locking element provides a tortuous pathway for the suture that is defined at least in part between the first and second locking posts such that the suture is relatively immobile relative to the housing.

39-41. (Canceled)

42. (Previously Presented) The vascular closure assembly according to claim 38, wherein the locking element comprises a bio-resorbable material.

43-54. (Canceled)

55. (Previously Presented) A vascular closure assembly, comprising:

- an anchor;
- a collagen;
- a suture coupled to the anchor and extending through the collagen;
- a locking device comprising a housing and at least two cantilevered locking posts extending from the housing, the locking device being rotatable between a first position and a second position;
- in the first position, the suture can move relative to the locking device; and
- in the second position, the suture is relatively immobile relative to the locking device.

56-58. (Canceled)

59. (Previously Presented) The vascular closure assembly according to claim 55, wherein the locking device comprises a bio-resorbable material.

60-62. (Canceled)